

PREPARATION OF POLYOLEFIN RESIN FOAM

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Abstract of JP2240145

PURPOSE: To obtain a polyolefin resin foam with uniform and fine closed cells and a smooth and beautiful surface by mixing a polyolefin resin and a copolymer resin prep'd. by graft-polymerizing a polyorganosiloxane onto a polyolefin resin and extrusion-molding the product together with a foaming agent.

CONSTITUTION: A resin compsn. wherein the loading of silicone is 0.1-5 pts.wt. based on the whole resin is prep'd. by mixing a polyolefin resin (A) and a copolymer resin (B) prep'd. by graft-polymerizing a polyorganosiloxane onto a polyolefin resin. Then, this resin compsn. is fed in an extruder and an easily volatile foaming agent is additionally mixed and melted therein together. The mixture is extruded from the apex of the extruder to form a foam. As the polyolefin resin as the component B, polyethylene, ethylene-vinyl acetate copolymer resin, etc., are especially pref. As the polyolefin resin as the component A, low-density polyethylene and polypropylene are especially pref. IF necessary, an inorg. fine powder and other additives can be compounded in said resin compsn.

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